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IN THE SPECIFICATION

Amendments to the Specification

Please replace the paragraphs beginning at page 1, lines 8, 12, and 15, with the following amended paragraphs:

Any kinds of vehicle door open-close devices are disclosed as a devices to automatically open and close a back door of vehicles. (For example, P3, P4, and Fig.1 of Japanese unexamined Patent Publication 2000-335245)

These kinds of devices are provided in a vehicle room as a driving device of an electric motor, and etc., to open and close a door through a link system hinge arm member, and etc.

As At a position to arrange these kinds of the vehicle door open-close devices in a vehicle room, it is advantageous to choose one corner portion of an opening area where a door opens and closes (hereinafter referred referred to as a door-opening area). This corner portion is a position that a roof member and a side member are connected to each other. The reason why this corner is an advantageous position comes from the viewpoint that it can secure enough space and enough strength to mount the vehicle door open-close device on the vehicle room.

Please replace the paragraph beginning at page 2, line 18 with the following amended paragraph:

To solve aforementioned drawbacks, the present invention was made to provide an arrangement structure of a vehicle door open-close device to automatically open and close a vehicle door by means of a driving force. The arrangement structure is comprised of a roof member, a side member, and a gazette or strengthening member. Herein, the roof member is provided on a door-opening area for constituting a ceiling member of a vehicle body. The side member is provided on the door-opening area for constituting a side portion of a vehicle body. A gazette member is provided on the door-opening area for being attached to the roof member and the side member so as to extend over said roof member and said side member. Under this

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condition, the vehicle door open-close device is arranged in a space surrounded by said roof member, said side member, and said gazette member. According to this arrangement structure, enough space can be efficiently secured to arrange the vehicle door-open close device therein. In the meantime, enough strength can be secured by a gazette member as a reinforcing function to attach the vehicle door open-close device to said roof member and the said side member. These Thus, the space and strength can be secured even though the corner portion of the door-opening area is formed into a gentle curve.

Please replace the paragraph beginning at page 3, line 12 with the following amended paragraph:

Additionally, the arrangement structure is also comprised of the following manners. Said roof member includes an outside roof member and an inside roof member. Said side member includes an outside side member and an inside side member. Said gazette member is attached to said inside roof member and said inside side member so as to extend over said roof member and said side member. And said inside roof member and said inside side member are connected to a connecting portion wherein said outside roof member and said outside side member are connected to each other.

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Please replace the paragraphs beginning at page 4, lines 2 and 12 with the following amended paragraphs:

Furthermore, the arrangement structure is also comprised of the following manners. A roof reinforcing member is provided on said roof member, while a side reinforcing member is provided on said side member. When both the roof reinforcing member and the side reinforcing member are connected to said connecting part, the strength of the roof member and the side member around the connecting part is ~~more~~ increased. Thereby, strength can be sufficiently secured for attaching the vehicle door open-close device and the gazette member to said roof member and the side member.

Still further, the arrangement structure is also comprised of the following manners. An attachment reinforcing member is provided on an attaching part of said inside roof member or said inside side member wherein said gazette member is attached thereto. The attachment reinforcing member is connected to said connecting portion portion. Thereby, strength can be sufficiently secured for attaching the vehicle door open-close device and the gazette member to said roof member and the side member.

Please replace the paragraph beginning at page 4, line 1 with the following amended paragraph:

Fig. 4A is an explanatory side view showing ~~a substantial~~ substantially the arrangement position of the vehicle door open-close device in a vehicle room when a door is fully closed.

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Please replace the paragraph beginning at page 5, line 12 with the following amended paragraph:

The embodiment of the present invention will be now described with reference to the accompanied accompanying drawings. Fig.2 is an explanatory cross sectional view taken along the A-A line in Fig.4A to show an arrangement structure of a door open-close device. Fig 3 is a perspective view showing around a door-opening area wherein a door open-close device is arranged. Figs.4A and 4B are explanatory side views showing substantially the arrangement position of the door open-close device in a vehicle room. Herein, Fig.4A shows a state when a door is fully closed, while Fig.4B shows a state when a door is fully opened.

Please replace the paragraph beginning at page 7, line 12 with the following amended paragraph:

For example, as the power transmission mechanism 11, a hook rack and pinion mechanism is utilized such that a hook rack gear 9a is formed on an upper surface of said slide member 9. Specifically, an output gear 12 is engaged with the hook rack gear 9a. In the meantime, the output gear 12 is rotated by means of an output of the drive source 10 through the speed reducer. Thereby, when the output gear 12 rotates a predetermined rotation angle clockwise or counterclockwise, the slide member 9 is moved to in a longitudinal direction of the vehicle. (Actually, at this time, the slide member 9 is slightly vibrating in a vertical direction of the vehicle.)

Please replace the paragraph beginning at page 9, line 16 with the following amended paragraph:

To solve aforementioned drawbacks, the present invention was made to provide the following arrangement structure. The roof member 14, the side member 15, and the gazette or strengthening member 16 are provided in the door opening area W. The gazette member 16 is attached to said roof member 14 and said side member 15 so as to be extended over said roof

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member 14 and said side member 15. Under this condition, the vehicle door open-close device 1 is arranged in a space S surrounded by said roof member 14, said side member 15, and said gazette member 16. A contour of the gazette member 16 is a concave shape gently bending toward a center of the door-opening area. One end portion of the gazette member 16 is fixed to the roof member 14 by means of a welding or the like. In the meantime, the other end portion of the gazette member 16 is fixed to the side member 15 by means of a welding or the like. Herein, the position of fixing the gazette member 16 to the side member 15 is lower than the position of fixing the gazette member 16 to the roof member 14. Thereby, the gazette member 16 serves as a reinforcement of or a diagonal beam to support the roof member 14 and the side member 15.

Please replace the paragraph beginning at page 10, line 9 with the following amended paragraph:

The roof member 14 constitutes a ceiling portion of the vehicle body, while the side member 15 constitutes a side portion of the vehicle body. As shown in Fig.2, the roof member 14 includes an outside roof member 14A and an inside roof member 14B, while the side member 15 includes an outside member 15A and an inside member 15B. Said gazette member 16 is attached to both the inside roof member 14B and the inside side member 15B so that said gazette member 16 is placed between said inside roof member 14B and said inside side member 15B. The outside roof member 14A and the outside side member 15A are members constituting a design face of an providing the appearance of a vehicle body. Fig.3 is a perspective view showing around the door-opening area. In Fig.3, the outside roof member 14A and the outside side member 15A are not illustrated. As shown in Fig.3, the inside side member 15B is comprised of a side member 17a and a rear pillar member 17b. Herein, the side member 17a extends over a longitudinal direction of the vehicle body. The rear pillar member 17b extends over a vertical direction of the vehicle body. The inside side member 15B shown in Fig.2 indicates a cross section of a joint part of the side member 17a and the side member 17b.

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Please replace the paragraph beginning at page 11, line 3 with the following amended paragraph:

Fig.3 is a perspective view corresponding to Fig.4A to show a state that the door D is closed. In this state, the link arm 4, the slid slide member 9 (not shown), and the end portion of the gas damper 13 (not shown) are included in a space S. Herein, the slid slide member 9 is connected to the end base linking part 8 of the link arm 4 so as to serve as the power transmission mechanism 11. The end portion of the gas damper 13 is one end portion facing to a rear side of the vehicle body.

Please replace the paragraph beginning at page 11, line 22 with the following amended paragraph:

According to this structure, enough space can be efficiently secured to arrange the vehicle door open-close device therein. In the meantime, enough strength of the roof member 14 and the side member 15 can be secured by a gazette member 16 as a reinforcing function to support the vehicle door open-close device 1. These The space and strength can be secured even though the corner portion of the door-opening area is formed into a gentle curve.

Please replace the paragraph beginning at page 12, line 9 with the following amended paragraph:

The connecting part 18 is provided in the following ways.
One edge of the outside roof member 14A is bent toward inside of the vehicle body.
Similarly, one edge of the outside side member 15A is also bent toward inside of the vehicle body. After that, a bent edge of the outside roof member 14A is lapped over a bent edge of the outside side member 15A to be connected to each other by means of a welding. Thereby, the connecting portion 18 is provided as a concave portion 18a as shown in Fig.2. Herein, the concave portion 18a extends over a longitudinal direction of the vehicle body. Furthermore, a roof mele molding (not shown) is attached to the concave part 18a to obtain a good

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appearance of the vehicle body. Specifically, said connecting part 18 is provided as a connecting part of the outside roof member 14A and the outside side member 15A mainly to gain enough strength and a good appearance.

Please replace the paragraph beginning at page 13, line 8 with the following amended paragraph:

As described above, according to the arrangement structure of the present embodiment shown in Fig.2, the inside roof member 14B and the inside side member 15B are connected to a lower surface of said connecting portion 18 by means of a spot welding or the like. Thereby, one edge portion of the roof member 14 constituting of the outside roof member 14A and inside roof member 14B can be closed. Similarly, one edge portion of the side member 15 constituting of the outside side member 15A and inside side member 15B can be closed. Specifically, the roof member 14 and the side member 15 can be constituted as a elosing closed cross-sectional shape, respectively.

Please replace the paragraph beginning at page 13, line 19 with the following amended paragraph:

According to the structure of the elosing closed cross-sectional shape, the strength of the roof member 14 and the side member 15 in the vicinity of the connecting part 18 can be efficiently increased. Thereby, the strength of attaching the vehicle door open-close device 1 to the roof member 14 and the side member 15 can be certainly secured. Similarly, the strength of attaching the gazette member 16 to the roof member 14 and the side member 15 can be certainly secured. Additionally, a the depth of said concave portion 18a as the connecting part 18 is generally not so deep. Therefore, when each end portion of the inside roof member 14B and the inside side member 15B is connected to a lower surface of the connecting part 18, the following arrangement structure can be provided. The inside roof member 14B is provided in the vicinity of the outside roof member 14A, while the inside side member 15B is provided in the vicinity of the outside side member 15A. Thereby, a sectional

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area of said space S is increased so that a layout design of the vehicle door open-close device 1 can be widely selected. In the meantime, an interval between a top end portion of the door-opening area W and the gazette member 6 16 is reduced so that a sectional area of said door-opening area W is increased.

Please replace the paragraph beginning at page 14, line 14 with the following amended paragraph:

Furthermore, according to an arrangement structure of the vehicle door open-close device disclosed in the present embodiment, there are provided a roof reinforce member 19 and side reinforce member 20. The roof reinforce member 19 is provided between the outside roof member 14A and the inside roof member 14B to reinforce the roof member 14, while the side reinforce member 20 is provided between the outside roof member 15A and the inside roof member 15B to reinforce the side member 15. The roof reinforce member 19 and the side reinforce member 20 are connected to the connecting part 18. Fig.2 shows a state that an end portion 19a of the roof reinforcement member 19 ~~are~~ is connected to the connecting part 18 and an end portion 20a of the side reinforcement member 20 is connected to the connecting part 18 on the inside side member 15B.

Please replace the paragraph beginning at page 15, line 2 with the following amended paragraph:

According to the aforementioned structure, the strength of the roof member 14 and the side member 15 in the vicinity of the connecting part 18 ~~can be more~~ is increased. Thereby, the strength of attaching the vehicle door open-close device 1 to the roof member 14 and the side member 15 can be certainly secured. Similarly, the strength of attaching the gazette member 16 to the roof member 14 and the side member 15 can be secured. Herein, the roof reinforcing member 19 and the side reinforcing member 20 are made of a steel plate or the like.

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Please replace the paragraph beginning at page 16, line 2 with the following amended paragraph:

Additionally, as shown in Fig.1, an end portion 21a of said attaching reinforcement member 21 is connected to said connecting part 18 by means of a welding or the like. Thus, the strength of the roof member 14 and the side member 15 in the vicinity of the connecting portion 18 ~~can be more~~ is increased. Thereby, the strength of attaching the vehicle door open-close device 1 to the roof member 14 and the side member 15 can be secured. Similarly, the strength of attaching the gazette member 16 to the roof member 14 and the side member 15 can be secured. Herein, said attaching reinforcement member 21 can be provided on the roof member 14 too.